

Patent Abstracts of Japan

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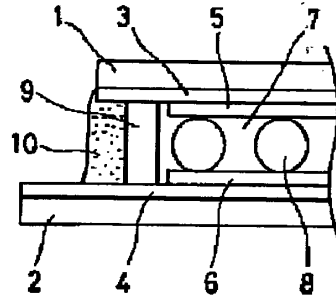
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TITLE : LIQUID CRYSTAL DISPLAY DEVICE  
AND ITS PRODUCTION



ABSTRACT : PURPOSE: To repair a substrate having defects or reuse a substrate by forming an adhesive layer of a thermoplastic adhesive and a non-thermoplastic adhesive as an adhesive part.

CONSTITUTION: A first oriented film 5 and second oriented film 6 are disposed oppositely to each other at a specified interval in such a manner that the rubbing directions of respective films cross each other orthogonally, and a spacer 8 to maintain the interval between the first substrate 1 and second substrate 2 is interposed between the substrates. Then, fringe parts of the first substrate 1 and the second substrate 2 are adhered in two steps. In the first step, a thermoplastic adhesive 9 is used to adhere the fringe parts of the first substrate 1 and the second substrate 2 except a part of an injection port. Then, a liquid crystal compsn. 7 is injected between the main faces of the first substrate 1 and the second substrate 2 through the injection port, and the injection port is sealed. In the second step, a nonthermoplastic adhesive 10 is used in adjacently to the thermoplastic adhesive 9 used in the first step so that the fringe parts of the substrates 1, 2 are joined to each other to be completely covered with the adhesive 10.

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